



SAFETY DATA SHEET - MatterHackers PRO Series ESD-Safe PETG

Section 1: Identification of the Substance and Preparation

1.1 Product Identifiers

Product Name: **PRO Series ESD-Safe PETG**

1.2 Relevant Identified Uses

3D printing filament. Material for FDM/FFF additive manufacturing.

1.3 Supplier Information

MatterHackers, Inc.
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Lake Forest, CA 92630
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Section 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product is **not classified as hazardous** under applicable regulations.

2.2 Label Elements

Appearance: Solid monofilament
Color: Black
Odor: None

2.3 Other Hazards

Mechanical handling may generate dust. Thermal decomposition may release irritating fumes.

Section 3: Composition / Information on Ingredients

Description: PETG with conductive carbon additives.

Components:

PETG Resin (>90%)

Conductive Carbon Additives (<10%)

No hazardous components present above regulatory thresholds.

Section 4: First Aid Measures

Eye Contact

Flush with water. Seek medical attention if irritation persists.

Skin Contact

Wash with soap and water.

If molten material contacts skin, immediately cool with cold water.

Do not attempt to remove solidified polymer. Seek medical attention.

Inhalation

Move to fresh air. Seek medical attention if irritation persists.

Ingestion

Not expected due to product form. If swallowed, rinse mouth and drink water.

Do not induce vomiting.

Notes to Physician

Treat symptomatically.

Section 5: Firefighting Measures

Suitable Extinguishing Media

Water spray, dry chemical, foam, or carbon dioxide (CO₂).

Special Protective Equipment

Self-contained breathing apparatus and protective gear.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide, dense smoke, phenols, hydrogen cyanide.

Section 6: Accidental Release Measures

Personal Precautions

Avoid generating dust. For molten material, allow to cool before handling.

Environmental Precautions

Prevent material from entering drains or waterways.

Clean-Up Procedures

Sweep or vacuum to prevent slipping hazards.

Dispose of collected material according to local regulations.

Section 7: Handling and Storage

Safe Handling

Avoid dust accumulation. Use with adequate ventilation when processing.

Avoid contact with molten polymer. Keep away from ignition sources.

Storage

Store in a cool, dry place away from direct sunlight.

Keep sealed to prevent moisture absorption.

Section 8: Exposure Controls / Personal Protection

Exposure Limits

No exposure limits established.

Respiratory Protection

Not required under normal use.

Use NIOSH-approved respirator if dust or fumes are generated.

Eye Protection

Safety glasses with side shields recommended.

Skin Protection

Protective gloves recommended when handling molten material.

Engineering Controls

Local exhaust ventilation recommended when printing or machining.

Section 9: Physical and Chemical Properties

Form: Solid

Appearance: Black filament

Odor: None

Melting Behavior: Softens over a wide temperature range

Auto-Ignition Temperature: >375°C

Decomposition Temperature: >250°C

Flammability: Combustible as dust; moderately flammable when exposed to flame

Specific Gravity: >1.0

Solubility in Water: Insoluble

Vapor Pressure: Negligible

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions

Reactivity: None known

Conditions to Avoid: Ignition sources, strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, phenols, dense smoke

Section 11: Toxicological Information

No known significant acute or chronic toxicity.

Possible mild mechanical irritation from dust.

Thermal decomposition vapors may cause irritation.

Section 12: Ecological Information

No known ecological hazards.

Material is not water-soluble and is expected to settle in aquatic environments.

Section 13: Disposal Considerations

Dispose of unused material according to federal, state, and local regulations.
Mechanical recycling is preferred when available.

Section 14: Transport Information

Not regulated by DOT, IMDG, or IATA.

Section 15: Regulatory Information

This product complies with applicable chemical inventory requirements.

Section 16: Other Information

Prepared for: MatterHackers, Inc.
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